



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

Sunshine Windows Manufacturing, Inc.
1745 West 33rd Place
Hialeah, FL 33012

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Series "1650" Aluminum Horizontal Sliding Window (XOX) Impact & Non-Impact

APPROVAL DOCUMENT: Drawing No. HS99-03, titled "Series 1650 Aluminum Horizontal Sliding Window (XOX)", sheets 1 through 5, prepared, signed and sealed by Francisco Hernandez, P.E., dated 3/26/00, bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact and Non-Impact

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **renews NOA # 00-0524.01** and, consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Raul Rodriguez**.



NOA No 02-0506.01
Expiration Date: August 19, 2007
Approval Date: June 13, 2002
Page 1

DESIGN PRESSURE CHART - PSF

SERIES-1650

ALUMINUM HORIZONTAL SLIDING WINDOW (XOX)

HURRICANE PROTECTION SYSTEM IS REQUIRED

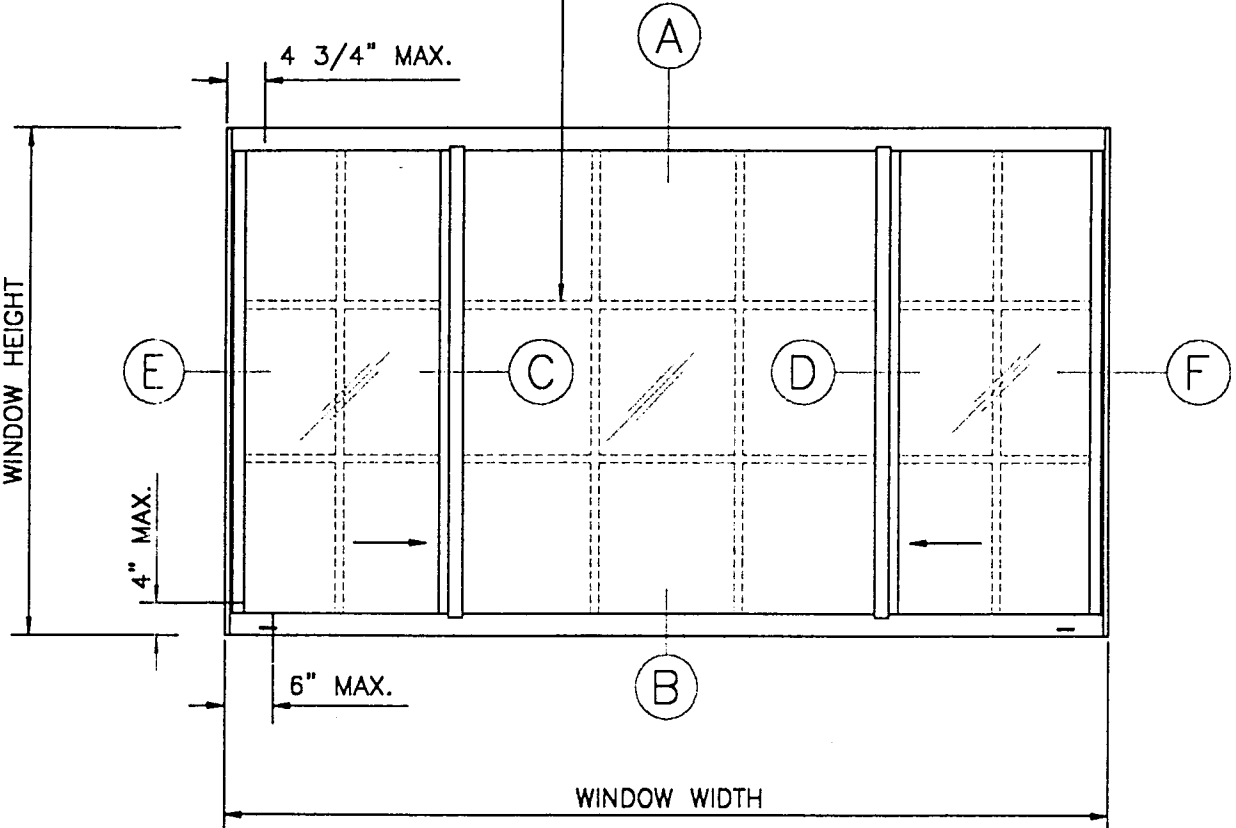
STANDARD SIZES	WINDOW DIMENSION		ANCHOR SCHEDULE		GLASS				GLASS			
					DSB ANNEALED AT VENTS		3/16" ANNEALED AT FIXED		3/16" ANNEALED AT VENTS		1/4" ANNEALED AT FIXED	
	WIDTH	HEIGHT	PER HEAD & SILL	PER JAMB	1 3/4" SILL	2 1/2" SILL	1 3/4" SILL	2 1/2" SILL	1 3/4" SILL	2 1/2" SILL	1 3/4" SILL	2 1/2" SILL
MODULAR SIZES	74"	26"	5	3	EXT.	INT.	EXT.	INT.	EXT.	INT.	EXT.	INT.
			7		40.7	67.5	67.5	67.5	40.7	122.5	70.0	122.5
			7		40.7	67.5	67.5	67.5	40.7	122.5	70.0	122.5
	108 1/4"	38 3/8"	5	3	40.7	67.5	67.5	67.5	40.7	118.4	70.0	118.4
			7		40.7	67.5	67.5	67.5	40.7	122.5	70.0	122.5
			7		40.7	55.7	55.7	55.7	40.7	84.1	70.0	84.1
	108 1/4"	50 5/8"	5	4	40.7	53.2	53.2	53.2	40.7	80.2	70.0	80.2
			7		40.7	62.6	62.6	62.6	40.7	90.9	68.7	90.9
			7		40.7	42.2	42.2	42.2	40.7	63.7	60.4	63.7
	111"	63"	5	5	40.3	40.3	40.3	40.3	40.7	60.8	59.7	60.8
			7		40.7	50.3	49.2	50.3	40.7	65.1	49.2	65.1
			7		33.9	33.9	33.9	33.9	40.5	51.2	40.5	51.2
	111"	63"	7	5	32.4	32.4	32.4	32.4	39.9	48.9	39.9	48.9
			7		40.7	67.5	67.5	67.5	40.7	122.5	70.0	122.5
			7		40.7	67.5	67.5	67.5	40.7	122.5	70.0	122.5
	72"	24"	6	2	40.7	67.5	67.5	67.5	40.7	122.5	70.0	122.5
			6		40.7	67.5	67.5	67.5	40.7	122.5	70.0	122.5
			7		40.7	67.5	67.5	67.5	40.7	122.5	70.0	122.5
	72"	36"	5	3	40.7	67.5	67.5	67.5	40.7	122.5	70.0	122.5
			6		40.7	67.5	67.5	67.5	40.7	115.6	70.0	115.6
			7		40.7	66.3	66.3	66.3	40.7	100.0	70.0	100.0
	72"	48"	5	4	40.7	58.4	58.4	58.4	40.7	88.1	70.0	88.1
			6		40.7	67.5	67.5	67.5	40.7	100.6	70.0	100.6
			7		40.7	57.5	57.5	57.5	40.7	86.7	70.0	86.7
	72"	60"	5	5	40.7	49.7	49.7	49.7	40.7	75.0	68.6	75.0
			6		40.7	43.8	43.8	43.8	40.7	66.0	66.0	66.0
			7		40.7	54.5	53.8	54.5	40.7	71.1	53.8	71.1
	84"	80"	5	5	40.7	46.0	46.0	46.0	40.7	64.9	49.1	64.9
			6		39.8	39.8	39.8	39.8	40.7	60.0	45.9	60.0
			7		35.0	35.0	35.0	35.0	40.7	52.8	43.9	52.8

BASED ON FTL-1006 DATED 10-25-94
TEST SIZE= 111" X 63" (XOX)

TEST LOADS
EXTERIOR PRESSURE +59.8 PSF
INTERIOR PRESSURE -79.1 PSF
WATER INFILTRATION TEST
6.1 PSF AND 10.5 PSF

DESIGN LOADS
EXTERIOR PRESSURE +39.9 PSF
INTERIOR PRESSURE -52.7 PSF
TESTED GLASS
DSB ANNEALED AT VENTS
3/16" ANNEALED AT FIXED

FALSE MUNTINS (SURFACE APPLIED)
MAY BE USED



TYPICAL ELEVATION (XOX)

NOTE: FOR NUMBER OF ANCHORS REQUIRED FOR EACH
UNIT SIZE REFER TO ANCHOR SCHEDULE COLUMN
IN THE DESIGN PRESSURE CHART.

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 02-0506-01
Expiration Date 12-31-2007
By *[Signature]*
Miami Dade Product Control
Division

FRANCISCO HERNANDEZ
FLORIDA PE # 51393

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE *June 15, 2009*
BY *Manuel Arz*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. *00-0524-01*

Sunshine Windows
Manufacturing, Inc.

1745 W. 33rd Place
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Ph: (305) 384-8952
Fax: (305) 828-5118

FRANCISCO HERNANDEZ P.E.
Structural Engineering
351 NW 82nd AVE #1118
Miami, Florida 33126
Phone (305) 266 8670
Fax (305) 266 3427

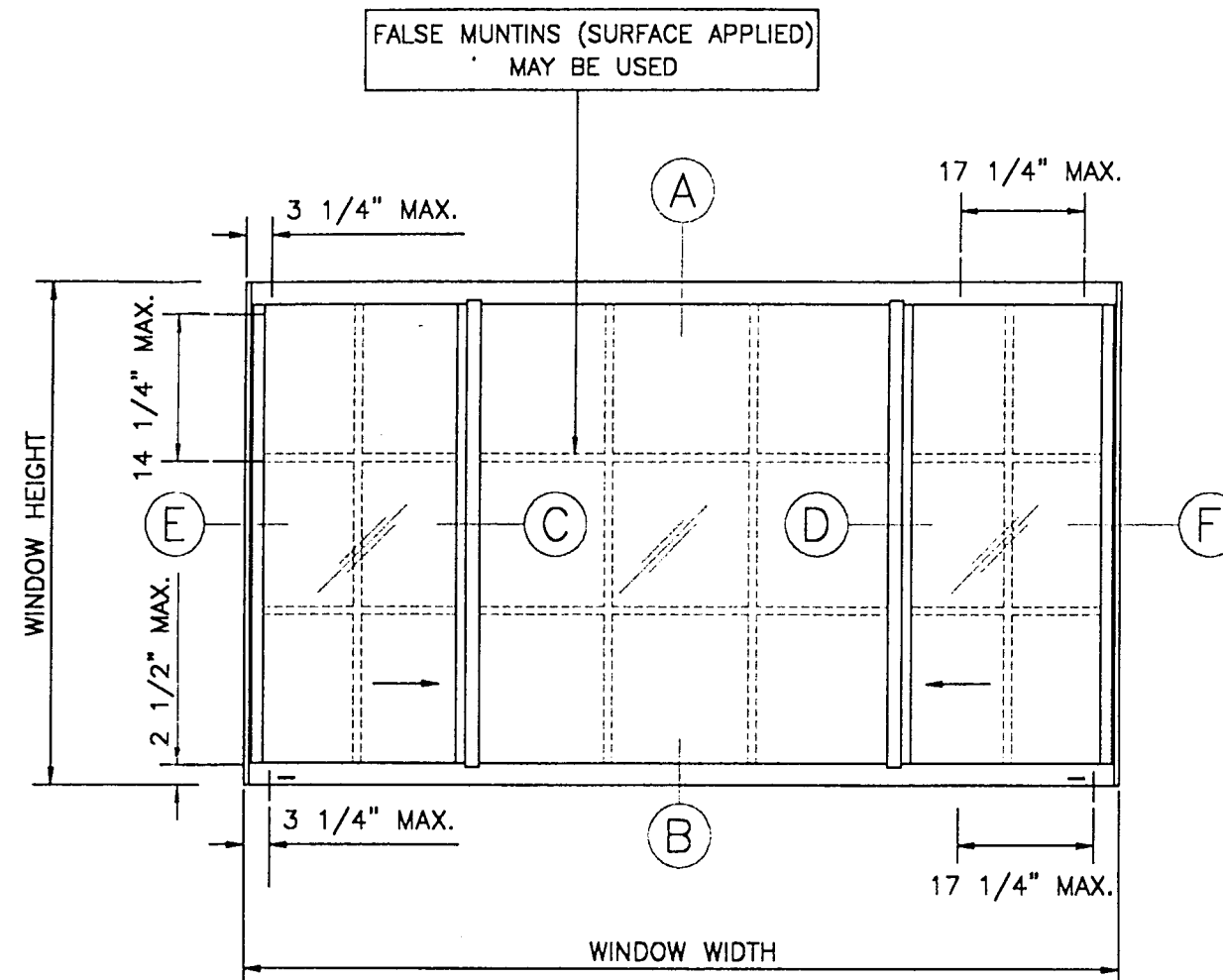
SERIES 1650 ALUMINUM
HORIZONTAL SLIDING WINDOW (XOX)

Drawn By: JN
Date: 3-9-99
Scale: 1/2"=1'
Revision: 3-25-00
Revision:

DRAWING NO.
HS99-03

SHEET
1 OF 5

DESIGN PRESSURE CHART - PSF								
SERIES-1650								
ALUMINUM HORIZONTAL SLIDING WINDOW (XOX)								
1/4" TEMPERED GLASS AT VENTS AND FIXED								
	WINDOW DIMENSION		ANCHOR SCHEDULE		HURRICANE PROTECTION IS REQUIRED			
			PER HEAD & SILL	PER JAMB	1 3/4" SILL		2 1/2" SILL	
	WIDTH	HEIGHT			EXT.	INT.	EXT.	INT.
STANDARD SIZES	74"	26"	5	3	46.7	215.9	70.0	215.9
	106 1/4"		7		46.7	197.7	70.0	197.7
	111"		7		46.7	188.1	70.0	188.1
	74"	38 3/8"	5	4	46.7	162.8	70.0	162.8
	106 1/4"		7		46.7	143.5	70.0	143.5
	111"		7		46.7	136.0	70.0	136.0
	74"	50 5/8"	5	5	46.7	119.6	70.0	119.6
	106 1/4"		7		46.7	105.0	70.0	105.0
	111"		7		46.7	103.8	70.0	103.8
	74"	63"	5	5	46.7	85.6	70.0	85.6
	106 1/4"		7		46.7	70.5	70.0	70.5
	111"		7		46.7	69.3	69.3	69.3
MODULAR SIZES	72"	24"	5	3	46.7	237.7	70.0	237.7
	84"		6		46.7	237.7	70.0	237.7
	96"		7		46.7	237.7	70.0	237.7
	108"		7		46.7	208.0	70.0	208.0
	72"	36"	5	4	46.7	176.1	70.0	176.1
	84"		6		46.7	172.9	70.0	172.9
	96"		7		46.7	170.7	70.0	170.7
	108"		7		46.7	147.9	70.0	147.9
	72"	48"	5	4	46.7	132.2	70.0	132.2
	84"		6		46.7	124.0	70.0	124.0
	96"		7		46.7	119.3	70.0	119.3
	108"		7		46.7	115.6	70.0	115.6
	72"	60"	5	5	46.7	93.5	70.0	93.5
	84"		6		46.7	85.4	70.0	85.4
	96"		7		46.7	79.9	70.0	79.9
	108"		7		46.7	76.3	70.0	76.3
TEST SIZE= 111" X 63" (XOX)								
TEST LOADS					DESIGN LOADS			
EXTERIOR PRESSURE +104.0 PSF					EXTERIOR PRESSURE +69.3 PSF			
INTERIOR PRESSURE -104.0 PSF					INTERIOR PRESSURE -69.3 PSF			
WATER INFILTRATION TEST					TESTED GLASS			
7.0 PSF AND 10.5 PSF					1/4" TEMPERED AT VENTS			
					1/4" TEMPERED AT FIXED			



TYPICAL ELEVATION (XOX)

NOTE: FOR NUMBER OF ANCHORS REQUIRED FOR EACH UNIT SIZE REFER TO ANCHOR SCHEDULE COLUMN IN THE DESIGN PRESSURE CHART.

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 02-05-06-01
Expiration Date 03-19-2007
By: *[Signature]*
Miami Dade Product Control
Division

FRANCISCO HERNANDEZ
FLORIDA PE # 51393

Sunshine Windows
Manufacturing, Inc.
1745 W. 33rd Place
Hialeah, Florida 33012
Ph: (305) 384-9952
Fax: (305) 828-5118

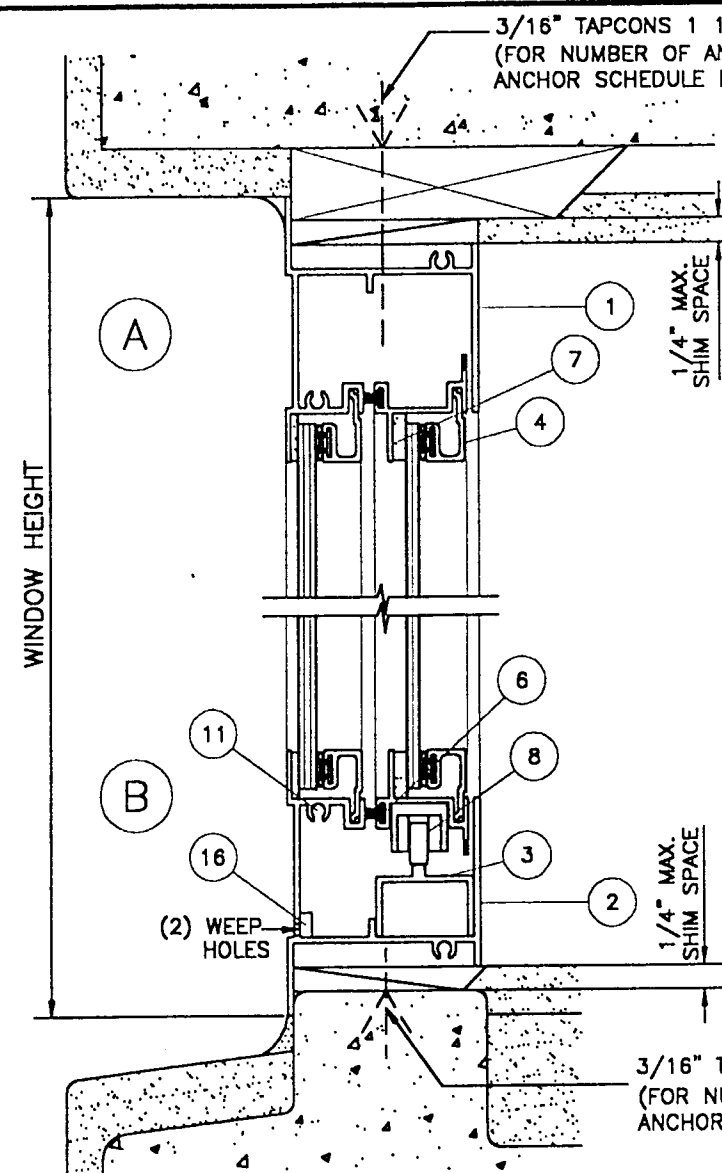
FRANCISCO HERNANDEZ P. E.
Structural Engineering
351 NW 82nd Ave #1118
Miami, Florida 33126
Phone (305) 266 8670
Fax (305) 266 3427

SERIES 1650 ALUMINUM
HORIZONTAL SLIDING WINDOW (XOX)

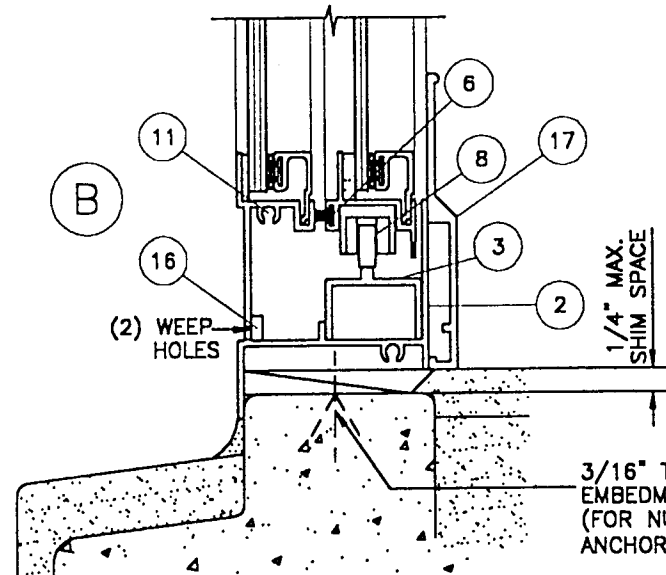
Drawn By: JN
Date: 3-9-99
Scale: 1/2"=1'
Revision: 3-25-00
Revision:

DRAWING NO.
HS99-03

SHEET
2 OF 5

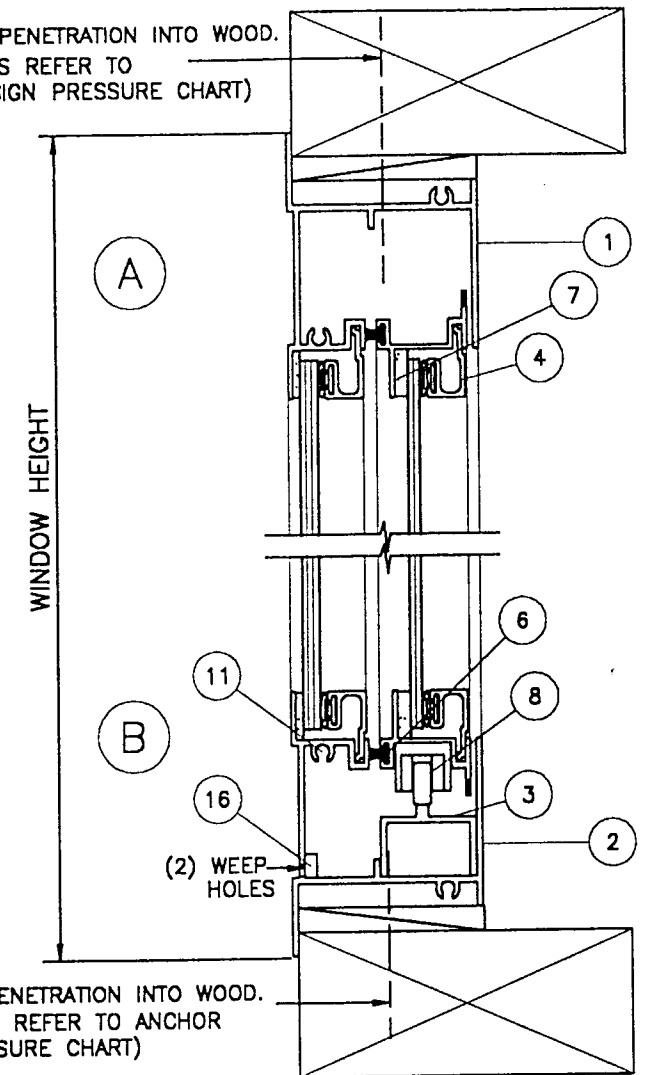


ATTACHMENT TO MASONRY
VERTICAL SECTION

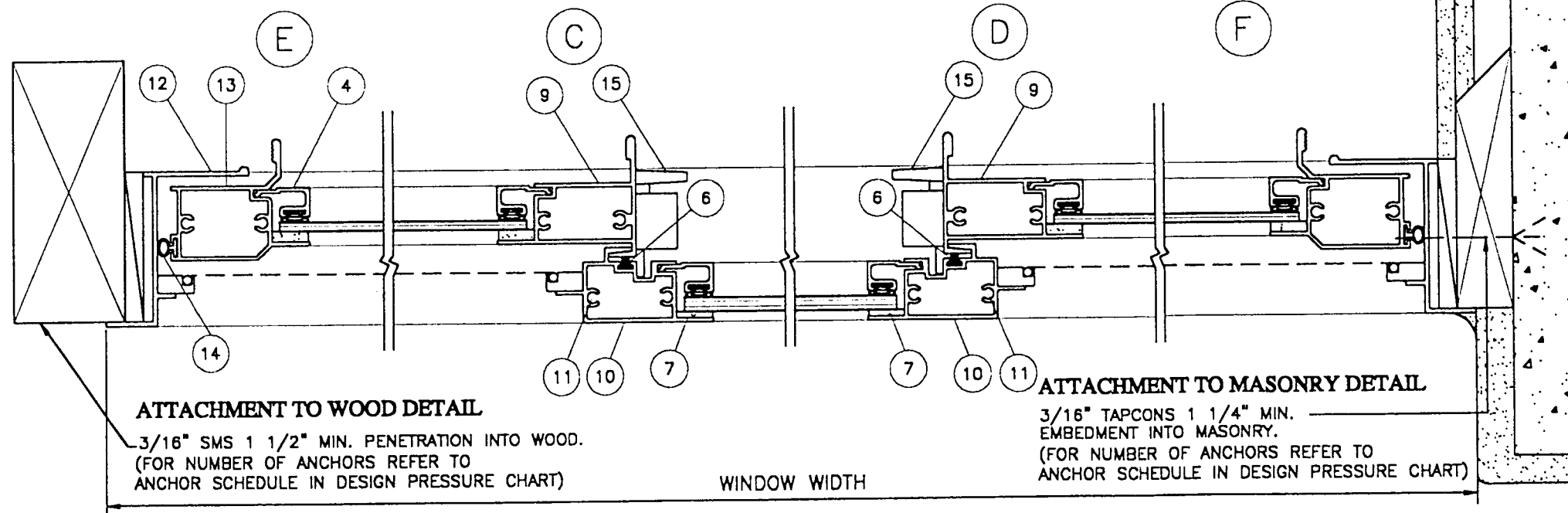


VERTICAL SECTION
WITH SILL RISER

3/16" SMS 1 1/2" MIN. PENETRATION INTO WOOD.
(FOR NUMBER OF ANCHORS REFER TO
ANCHOR SCHEDULE IN DESIGN PRESSURE CHART)



ATTACHMENT TO WOOD
VERTICAL SECTION



ATTACHMENT TO MASONRY DETAIL

3/16" TAPCONS 1 1/4" MIN. EMBEDMENT INTO MASONRY.
(FOR NUMBER OF ANCHORS REFER TO
ANCHOR SCHEDULE IN DESIGN PRESSURE CHART)

GLAZING METHOD:

USE ADHESIVE BEDDING COMPOUND AND GLAZING
FOAM TAPE ON EXTERIOR.
EXTRUDED ALUMINUM SNAP ON GLAZING BEAD WITH
VINYL BULB ON INTERIOR.

WOOD BUCKS NOT BY SUNSHINE WINDOWS MUST
SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM.

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE June 15, 2009
BY Maurice Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0524-01

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 02-0506-01
Expiration Date Aug 04 19, 2007
BY [Signature]
Miami Dade Product Control
Division

7-26-00

HORIZONTAL SECTION HORIZONTAL SLIDING WINDOW SECTIONS

Sunshine Windows
Manufacturing, Inc.

1745 W. 33rd Place
Hialeah, Florida 33012
Ph: (305) 364-9952
Fax: (305) 828-5118

FRANCISCO HERNANDEZ P.E.
Structural Engineering
351 NW 82nd AVE #1118
Miami, Florida 33126
Phone (305) 266 8670
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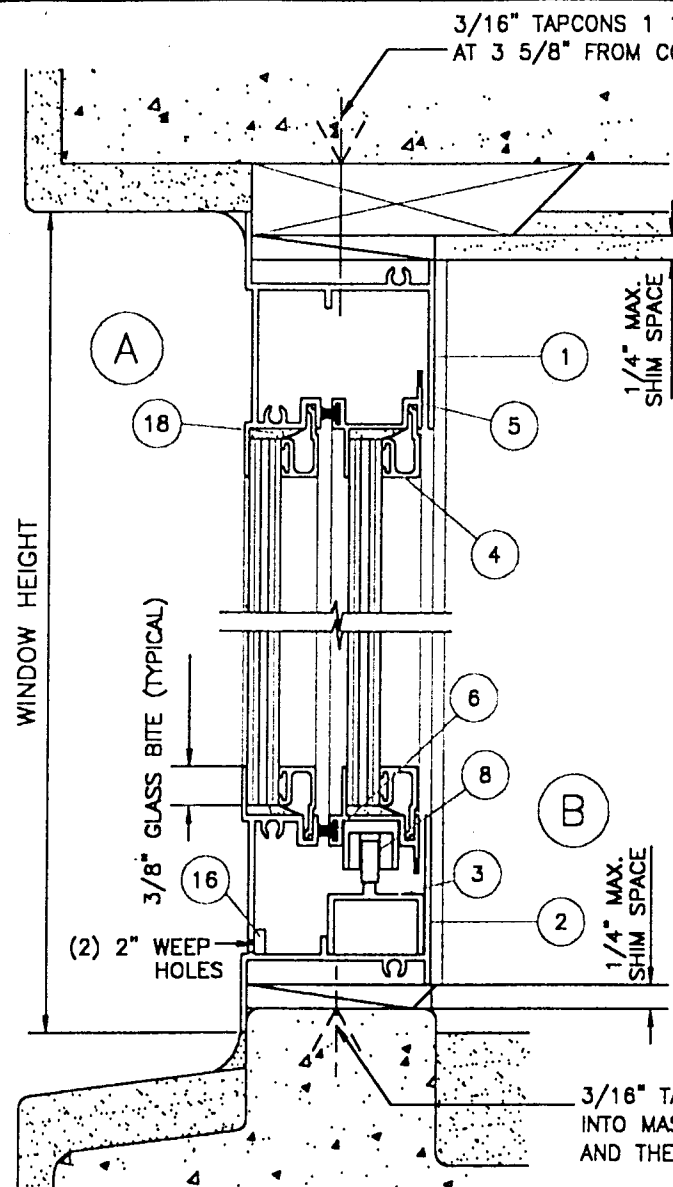
SERIES 1650 ALUMINUM
HORIZONTAL SLIDING WINDOW (XOX)

Drawn By: JN
Date: 3-9-99
Scale: 1/2"=1"
Revision: 3-25-00
Revision:

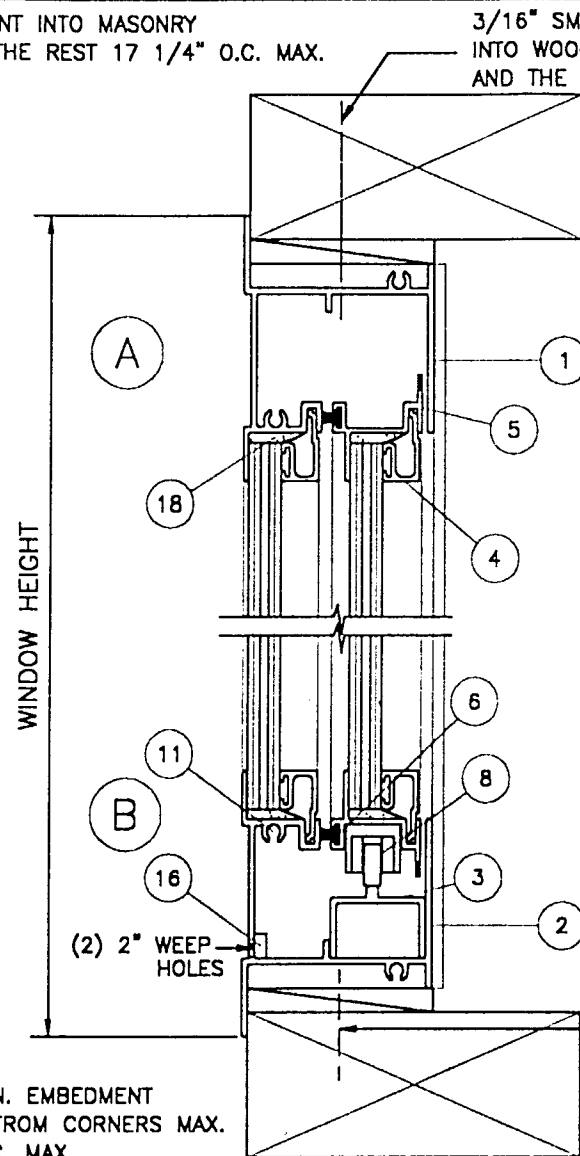
DRAWING NO.
HS99-03

SHEET
3 OF 5

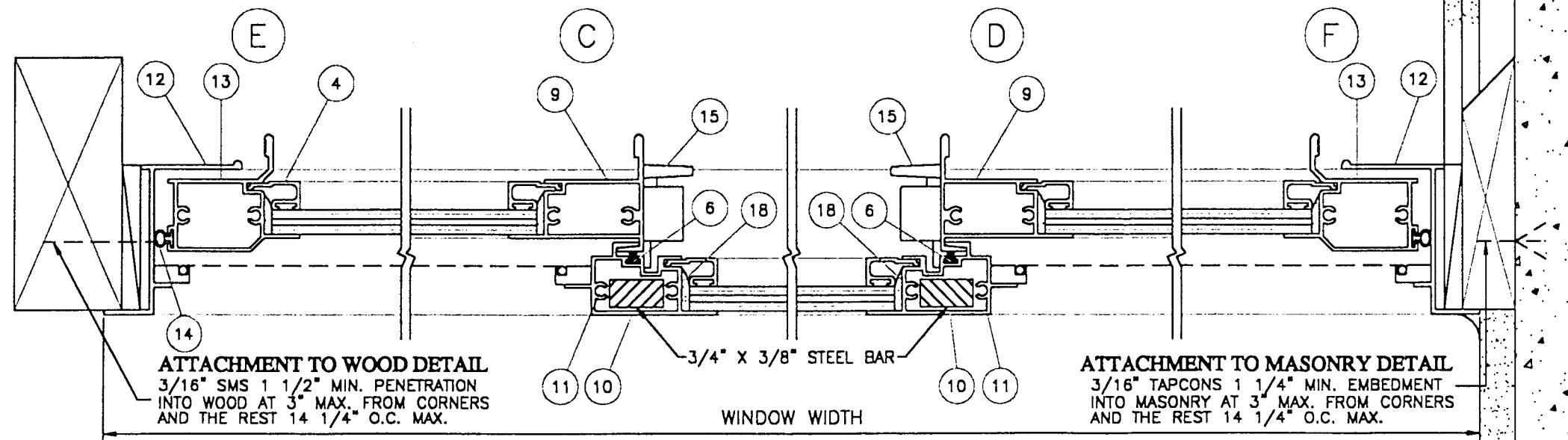
FRANCISCO HERNANDEZ
FLORIDA PE # 51393



ATTACHMENT TO MASONRY
VERTICAL SECTION



ATTACHMENT TO WOOD
VERTICAL SECTION



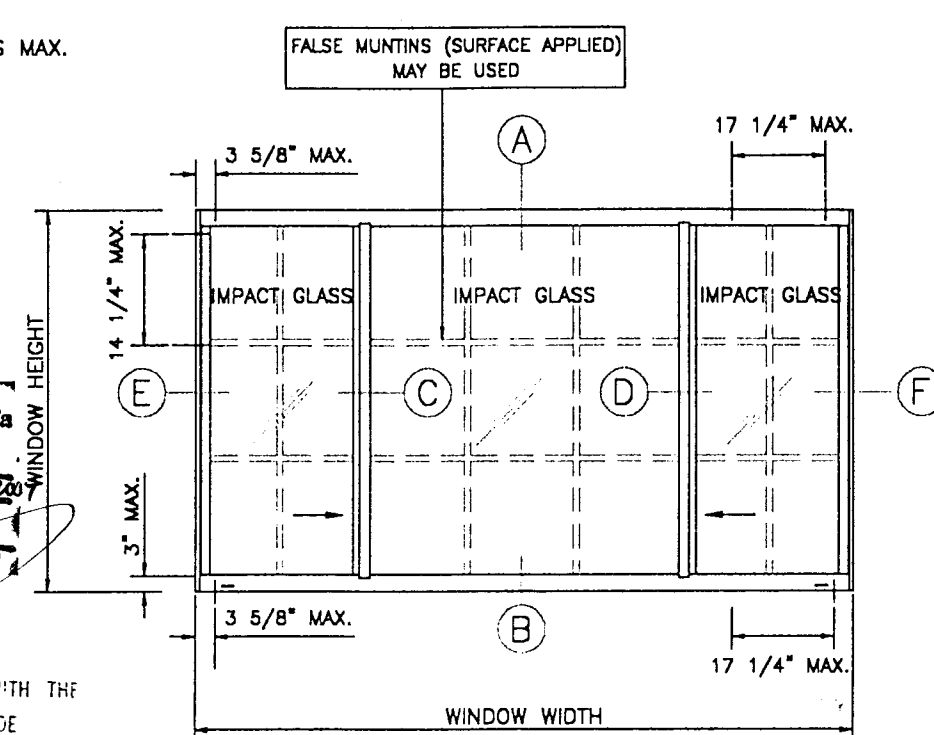
HORIZONTAL SECTION (X0X)

DESIGN PRESSURE RATING + 60.0 PSF -60.0 PSF
FOR ALL WINDOW SIZES EQUAL OR SMALLER THAN TEST UNIT

LARGE MISSILES IMPACT WINDOW

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 02-0506-01
Expiration Date August 19, 2007
By Miami Trade Product Control
Division

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE June 15, 2000
BY Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0524-01



TYPICAL ELEVATION (X0X)

BASED ON FTL-1835 DATED 8-4-98
TEST SIZE= 111" X 63" (X0X)
TEST LOADS= +90.0 -90.0 PSF
DESIGN LOADS= +60.0 -60.0 PSF
WATER INFILTRATION TEST= 9.0 PSF
TESTED GLASS= 3/8" HEAT STRENGTHENED
LAMINATED
CYCLIC WIND LOAD TEST= +60.0 -60.0 PSF

HURRICANE RESISTANT SHUTTERS ARE NOT REQUIRED

GLAZING :

MATERIAL :

3/8" OVERALL LAMINATED GLASS USING TWO LIGHTS
OF 1/8" HEAT STRENGTHENED GLASS WITH AN 0.010"
INTERLAYER FILM, GLASSLAM SAFETY PLUS, AND 3/8"
WIDE CLOSED CELL FOAM, FRANK LOWE RUBBER AND
GASKET S-10, ON EACH SIDE OF FILM AT PERIMETER
EDGE.

METHOD:

INTERIOR GLAZED WITH 3/8" GLAZING PENETRATION
USING A CLEAR COLORED ADHESIVE BEDDING
COMPOUND SCHNEE MOREHEAD 5731 AND DOW
CORNING 795, AND AN EXTRUDED ALUMINUM SNAP
ON GLAZING BEAD. GLAZING BEAD FASTENED TO
FRAME WITH TWO NO. 8 BY 3/4" PHSMS PER BEAD.

WOOD BUCKS NOT BY SUNSHINE WINDOWS MUST
SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM.

FRANCISCO HERNANDEZ
FLORIDA PE # 51393

Sunshine Windows
Manufacturing, Inc.

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351 NW 82nd AVE #1118
Miami, Florida 33126
Phone (305) 266 8670
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SERIES 1650 ALUMINUM
HORIZONTAL SLIDING WINDOW (X0X)

Drawn By: JN

Date: 3-9-99

Scale: 1/2" = 1"

Revision: 3-25-00

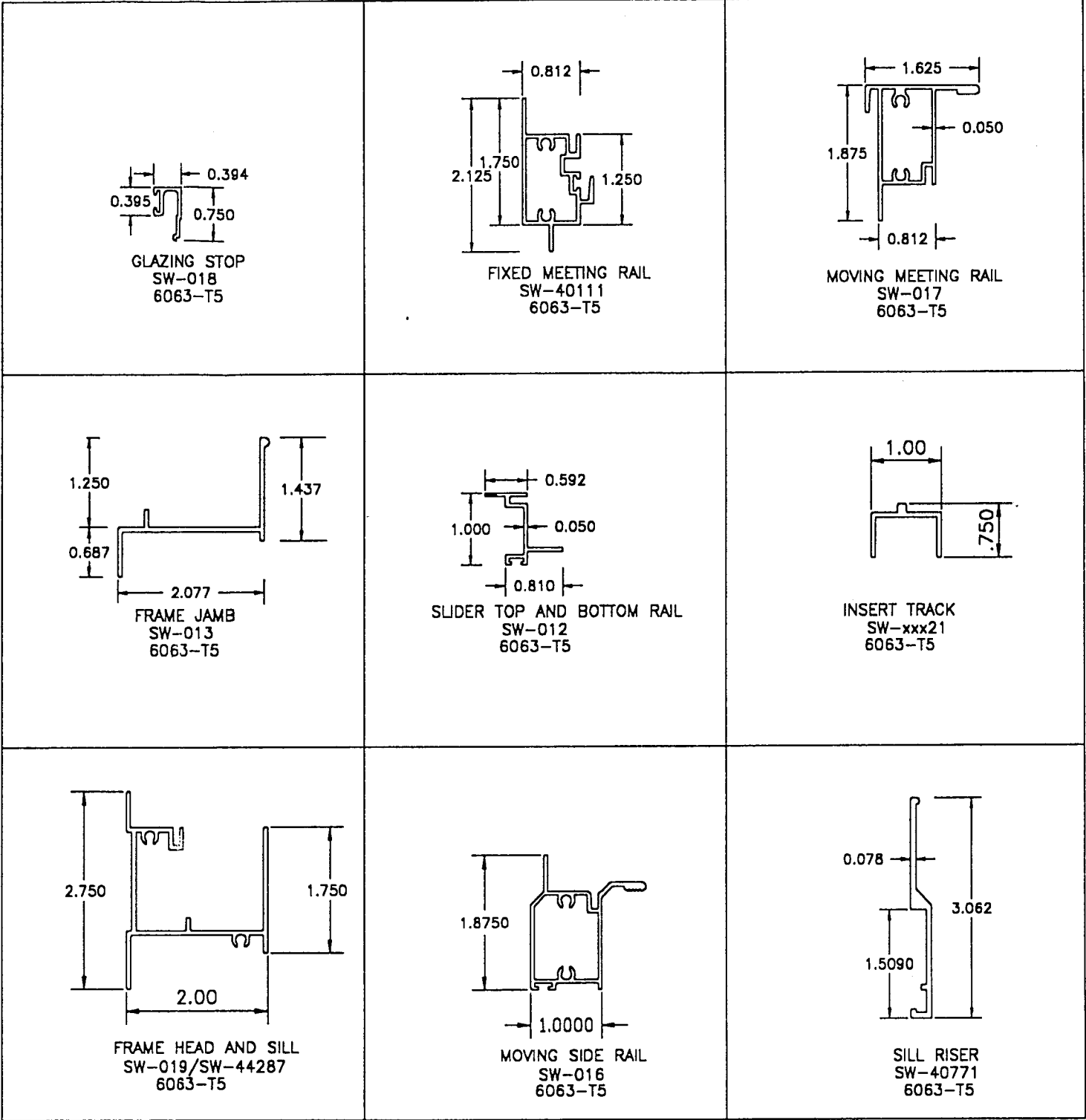
Revision:

DRAWING NO.
HS99-03

SHEET
4 OF 5

MATERIAL LIST

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL
1	SW-019	1	FRAME HEAD	6063-T5
2	SW-019	1	FRAME SILL	6063-T5
3	SWxxx21	1	INSERT TRACK	6063-T5
4	SW-018	AS RQD	GLAZING BEAD	6063-T5
5	SW-012	2/VENT	SLIDER TOP/BOTTOM RAIL	6063-T5
6	SW3019	AS RQD	FIN SEAL PILE	FELT
7	SW1520	AS RQD	GLAZING TAPE	FOAM
8	SW321W	2/VENT	WHEEL	BRASS
9	SW-017	1/VENT	MOVING MEETING RAIL	6063-T5
10	SW40111	2	FIXED MEETING RAIL	6063-T5
11	SW-AS	AS RQD	ASSEMBLY SCREWS	# 8X1" PH PHILLIP CRS
12	SW-013	2	JAMB	6063-T5
13	SW-016	1/VENT	MOVING SIDE RAIL	6063-T5
14	SW3257	AS RQD	WEATHER STRIP BULB	VINYL
15	SW-667	AS RQD	LATCH	ZINC
16	SW-S10	2/SILL	RETICULATED FILTER	FOAM
17	SW40771	1	SILL RISER	6063-T5
18	-	AS RQD	SILICONE	DC-795/SM-5731



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SERIES 1650 ALUMINUM
HORIZONTAL SLIDING WINDOW (XOX)

Drawn By: JN

Date: 3-9-99

Scale: 1/2"=1"

Revision: 3-25-00

Revision:

DRAWING NO.

HS99-03

SHEET
5 OF 5

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 02-0506.01
Expiration Date August 14, 2007

By: *[Signature]*
Miami Dade Product Control
Division

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE: June 15, 2009
BY: *[Signature]*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0524-01

FRANCISCO HERNANDEZ
FLORIDA PE # 51393